90379 Digital Camera

Owner's Manual



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Introduction

Thank you for purchasing a 90379 digital camera. Everything you need to take quality Digital Photos is included with your camera. Please read this manual carefully FIRST in order to get the most out of your digital camera.

Key Features

- 3.1 mega pixel camera with choice of 3 digital camera resolutions - 2048 x 1536 Pixels,1600 x 1200 Pixels (UXGA), 640 x 480 Pixel (VGA)
- 2 Web Cam resolutions – 640 x 480 pixels (VGA), 320 x 240 pixels (QVGA)
- 1.1 Inch CSRN Color LCD Monitor and photo viewer
- 16MB internal memory
- SD Memory Card Slot accepts any size SD compatible memory cards
- Built in Flash
- Camera can be used as a web cam for video conferencing and IM (instant messaging).
- PhoTags Express software for managing and enhancing your photos, printing, sending photos by e-mails and much more.

PLEASE READ THIS MANUAL CAREFULLY FIRST in order to get the most out of your camera.

What your camera includes:

- Camera
- Strap
- CD containing Camera Driver Installation and PhoTags Express Photo Management Software
- USB Cable

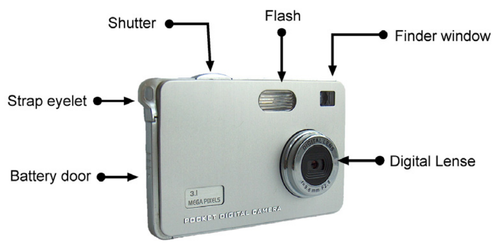
Computer System Requirements

To be able to download photos to your PC you will need the following minimum configuration:

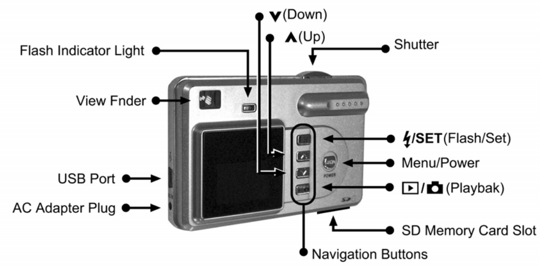
- Pentium II 300 MHz, AMD Athlon 300 MHz, or a Celeron 400 MHz or higher
- Windows 98 SE/ME/2000/XP
- 125MB free hard disk space or above, 32MB or more RAM
- Available USB Interface
- CD-ROM Drive
- Color Display - At least 800x600 resolution

Quick Look at Your Camera

Front



Back

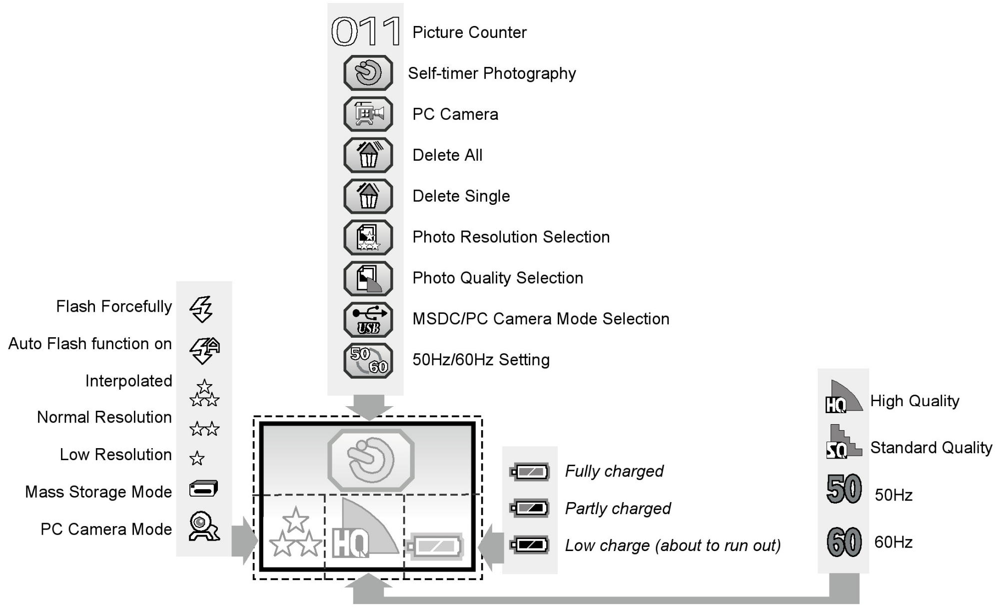


The Multi Function LCD Screen and Monitor

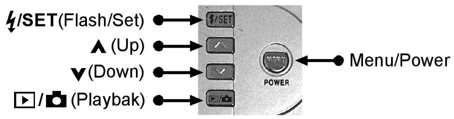
The LCD Screen has multiple functions:
You can use it to compose your photo instead of the viewfinder
Preview photos and Videos you have taken
Select the many modes and options built into the camera from the interface screen
Below you will see an illustration of all the different icons that will appear from time to time in the LCD screen display in the interface mode. How to use each of there icons and features will be explained later in the manual in the appropriate sections.



Icons on the LCD Screen



Feature Selection Control Buttons



These buttons are found on the back of your camera. They are used in different combinations to change the modes and mode options that will displayed in the LCD screen. Directions are provided under the heading for each mode of operation.

Setting up your Camera for Use

The Battery

Your camera includes a lithium battery that will last for years. Although the battery is removable, we do not recommend that you do so unless the battery needs replacement. Removing the Battery will result in the erasure of the photos stored in camera's internal memory.

> WARNING: Opening the battery compartment and/or removing the battery may erase the photos currently stored in the camera. Download your photos as often as possible. Photos may be lost when the battery runs low.

1. Please charge your camera for at least two hours before using it for the first time. Connect it to the computer with the USB cable provided and *then* turn on your computer. The camera will conveniently charge while the

computer is on, eliminating the need for a separate charger. *You can't take photos when the camera is connected to the computer.*

2. When the Low Battery icon is flashing, you need to recharge the camera.

3. If you choose, you may also charge your camera with an optional 5V AC adapter (not included). Plug one end of the adapter into the DC socket on the camera. Make sure the adapter is plugged in securely. Then plug the other end of the adapter into a wall outlet.

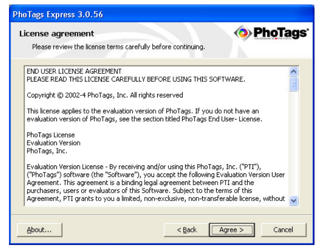
We recommend that you use an optional SD memory card. Photos stored in this manner will not be lost regardless of any change in the battery power. To order the optional AC adapter or replacement battery, please email parts@sakar.com.

Installing PhoTags Express Software & The Camera Driver

Insert the CD into your CD-ROM drive. Make sure that your camera is NOT connected to the computer. Insert the Software CD that came with your camera into the CD-ROM drive.

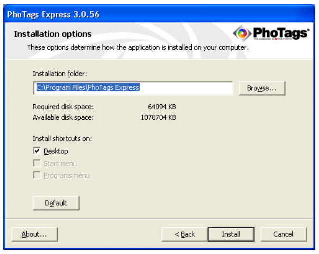
In a few seconds the "**Install your camera software**" screen will appear.
Select your camera model from the drop down list and click the "**Install**" button to install PhoTags Express followed by the installation of PhoTags Web Cam Express and your camera driver.



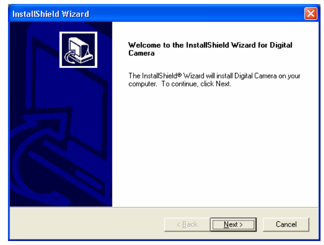


On the "**PhoTags Express**" screen, click the "**Next"** button.

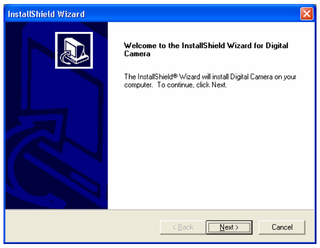
Please review the license terms and click the **"Agree"** button to continue.



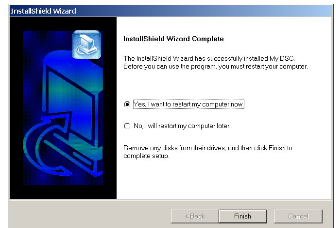
Let the “**PhoTags Express**” installer create the folder where the program will be installed to, and then click “**Install**”.



This will automatically launch the Install shield for the camera driver. Click “**Next**” to continue.



Click “**Finish**” to let the “**PhoTags Express**” installer finish the installation program.



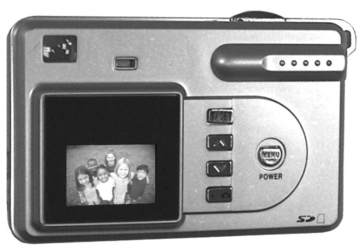
Once the program has finished installing you will be asked to restart your computer. Please do so.

Congratulations!! You have successfully installed the “PhoTags Express” software, the “PhoTags WebCam Express” and the Camera Driver.

Starting Your Camera

Press and hold the POWER/MENU button 

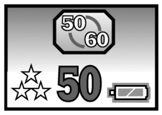
for 3 seconds to start the camera. The camera will make a single “beep” sound and then the LCD screen will light up with a blank screen and then switch to the active mode ready for taking photos.



Taking Photos

Before you Start taking photos here are a few things to review:

Set the Camera Frequency for Florescent Lighting



Florescent lighting oscillation can affect the quality of your photo. It is important to set the camera for the correct frequency for the country that you are in. The camera has 2 Frequency settings, 50 HZ for the U.S. and Asia and 60 HZ for Europe and Japan. The default setting is 50Hz.

To set the camera to the European frequency (60Hz):

1. Press POWER/MENU.
2. Press FLASH/SET
3. Repeatedly press POWER/MENU to select the icon shown on the LCD screen.
4. Press or to select the icon 60Hz shown on the LCD screen.
5. Press FLASH/SET. The default setting (50Hz) is now changed to 60Hz.

To set the camera the USA and Asia Frequency (50Hz) :

1. Repeat Steps 1-3.
2. Press ▲ or ▼ to select the icon 50Hz 50 as shown on the LCD screen.
3. Press FLASH/SET ϟ/SET . The camera frequency will now be reset 50Hz.

Turning Off the Camera

There are two ways to turn off your camera, either by using Manual mode or Auto Shut-off.

Manual Shut-Off

To turn off the camera, simply press and hold the POWER/MENU button MENU POWER for 3 seconds. The camera will make 3 rapid "beep" sounds before turning off.

Auto Shut-Off

The Auto Shut-Off is a special battery-saving feature which allows the camera to turn itself off when not in use. After 60 seconds of non-use, the camera a will make 3 rapid "beep" sounds and then automatically shuts down

Photo Resolution and Quality

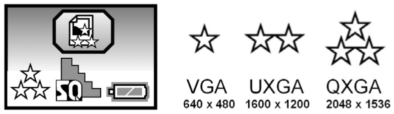
The Image size  and quality  settings determine the number the number of photos and the amount of memory required for each photo. The higher the image size and the resolution, the more memory each photo will use. The image size and quality will also affect the maximum size you can print your photo effectively.

Your camera has 16 Megabytes of internal memory, stored in the built-in memory card. The following table tells you how many photos can be taken based on the Image Size and Quality Settings:

Image Size	**Standard Quality**	**High Quality**
640 x 480 (VGA)	156 photos	109 photos
1600 x 1200 (UXGA)	22 photos	15 photos
2048 x 1536 (QXGA	14 photos	10 photos

NOTE: To increase the number of photos your camera can take and store, use an external “SD” compatible memory Card (*not included*). SD cards come in a variety of capacities from 16 MB up to 2 GB. Please refer to the INSTALLING AN OPTIONAL MEMORY CARD section of this manual for more information.

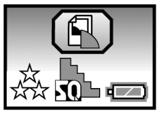
Setting the Image Size/ Resolution



To set the Image size/Resolution of the photos you want to shoot:

1. Press the POWER/MENU button.
2. Press the FLASH/SET button.
3. Press or to select the resolution icon shown on the LCD screen.
4. The resolution will be set according to which icon you choose - for Normal, for High, for low.
5. Press the FLASH/SET button .The photo resolution is now changed.

Setting the Photo Quality



The quality of your photos also affects the number of shots you can take. The HIGH setting means you can take fewer photos, but they will be of better quality. The camera features two settings, STANDARD and HIGH.

To change the photo quality from STANDARD to HIGH:

1. Press the POWER/MENU button.
2. Press the FLASH/SET button.
3. Press the POWER/MENU button again to select the quality icon shown on the LCD screen. (Shown above)
4. Press the or button to select the icon shown on the LCD screen.
5. Press the FLASH/SET button. The photo quality is now set to HIGH.

To change the photo quality from HIGH to STANDARD:

1. Press the POWER/MENU button.
2. Press the FLASH/SET button.
3. Press the button again to select the quality icon shown on the LCD screen.

4. Press the or button to select the icon shown on the LCD screen.

Press the FLASH/SET button. The photo quality is now set to STANDARD.

Taking Photos

Hold the camera steadily and press the shutter button to take photo. The flash Indicator light will turn red and there will be a short delay while the camera saves the photo to memory. First this icon will appear followed by the “photo saved” and a beep. Do not move the camera until you see this icon.

The numbers of photos left to shoot is briefly displayed in large white numbers in the center of the LCD screen when it returns to the icon mode, after each photo is shot. You will hear another beep which indicates that the camera is ready to take another photo.

When the camera's memory -- photo capacity -- is full, the LCD MONITOR will display “0”. If you attempt to take a photo when the memory is full the camera will “beep” continuously. The photo will not be stored once the memory is full. You need to delete photos (either one or all) in order to take additional photos (see Delete Mode later in this manual).

Setting The Flash

In low light conditions it is best to use the built-in flash. You can also use the flash to compensate for backlight conditions.

To set the flash:

1. Please make sure that the camera is on.

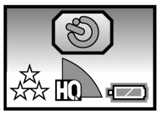
2. Press FLASH/SET or . The icon will appear on the LCD screen. This means the flash function has been " "Always On" (manual flash).

3. Press FLASH/SET or repeatedly. Select the icon shown on the LCD screen. This will activate the automatic flash.

4. Press FLASH/SET or until the flash icon disappears. This will turn off the flash function.

NOTE: When the flash is set to either" Always On" or "Automatic" the flash indicator light will turn GREEN. When you take a photo the flash indicator light will turn RED. You must wait until the light turns back to GREEN before you can take another photo.

The Self-Timer



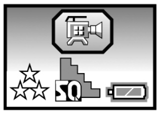
You can include yourself in the photo by using this feature to delay the time between your pressing the shutter and when the photo is actually taken. It is recommended that you use a tripod when you use the self timer.

1. Press the POWER/MENU button repeatedly to select the icon shown on the LCD screen.

2. Make sure to press the shutter within 5 seconds. The timer lasts approximately 10 seconds before the photo is taken.

NOTE: The camera will return to standby mode if you do not press the shutter within 5 seconds after selecting the  icon.

Taking Videos



You can take video clips with your camera. The internal 16MB of memory in your camera can record up to a total of 3 minutes of video based on how much memory is available at the time.

To take videos:

1. Press the POWER/MENU button repeatedly until you see the  icon on the LCD screen.
2. Press the shutter within 5 seconds. The Flash Indicator/Camera ready light will continue to flash.
3. To end recording the video, press the shutter button again.

NOTE: The video will be saved in AVI format.   Shooting time varies depending on the available space in your camera's memory. Both the  icon and the shooting time are displayed on the LCD screen. Please also note that the camera can only take motion videos WITHOUT audio (sound).

Playback /Review Mode

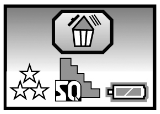
You can view all the photos and videos you have taken on the camera’s LCD screen.

To put the camera into the playback mode:

1. Make sure that the camera is on.
2. Press PLAYBACK / PREVIEW or the button on the camera.
3. Press the shutter. The photos will play back automatically one by one.
4. To play back the photos from first to last, press the button.
5. To play back the photos from last to first, press the button.

NOTE: The icon NO PICTURE will be displayed on the LCD screen if there are no photos in the camera.

Delete Mode



You can delete unwanted Photos and Videos at any time to free up memory. You can delete one photo or Video at a time or delete all the Photos and Videos that are currently recorded on the memory card all at once.

To delete one image in your camera:

1. Press the PLAYBACK button. You will see the photos you have already taken.
2. Press the button or button until you find the photo you wish to delete.

3. Press the FLASH/SET button. You will see the Delete icon in the center of the LCD screen and the camera will beep continuously.
4. Press the shutter within 5 seconds. The photo will be deleted.

To delete all the images in your camera:

1. Repeatedly press the POWER/MENU button until you see the icon on the LCD screen.
2. Press the Shutter within 5 seconds. The digits will keep flashing.
3. Press the Shutter button a second time, again within 5 seconds. All of the photos in the camera will be deleted.

Installing Optional Memory Card

Your camera has a memory card slot that enables you to insert any “SD” compatible memory card. Adding a memory card will allow you to increase the number of photos you can take at a time before you have to transfer them to a PC.



To Install an SD memory card:

1. Locate the Memory card Slot

2. With the back of the camera facing you, insert the memory card as illustrated.

3. Push the card in until you feel the card “click into position” If the card in installed properly the top will be flush with the surface of the camera.

4. If the External memory card is installed properly the *MEMORY CARD* Icon will be displayed to the left of the battery indicator.

5 .When you remove the External memory card the *MEMORY CARD Icon* will no longer appear on the monitor.

Using An Optional Memory Card

You cannot access the photos stored in the internal memory once the memory card is installed. The Images will not be lost.

NOTE: It is recommended that you transfer all images stored in the camera’s internal memory to the PC before you install an optional external SD memory card.

When the memory card is installed all the cameras modes, camera functions and settings will now apply to the memory card including:
Photo resolution
Photo Quality
Delete Images

NOTE: The number of Photos and the length of Videos that can be stored on a memory card will depend on the size of the memory card inserted. The LCD Display will indicate how many are available when MENU/POWER button is selected.

Transferring Images to your PC

Transfer Images Using PhoTags Express



1. Make Sure that the camera is in the Digital Camera Mode (See page 29)

2. Plug one end of the USB cable into the USB port on the left side of the camera. The port is located just above the DC 5V outlet.

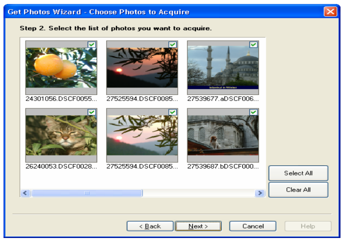
2. Plug the other end of the USB cable into a USB port on your computer.

3. If the Camera is off it will automatically be turned on when the USB cable is properly connected and the Transfer mode icons will appear on the LCD screen.

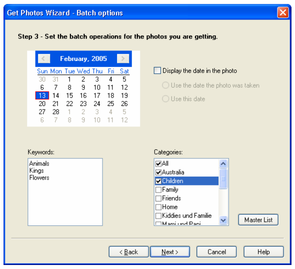
4. The “Camera/Removable Media Auto Detect” window will automatically appear on your PC screen.

5. The number of pictures and other media (videos included) on the camera or memory card will appear on the window.

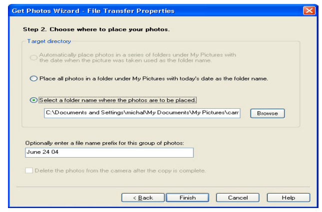
6. Click “OK” if you want to transfer the photos and save them to your computer. The “PhoTags Express” application you installed will open in the “Get photos” wizard mode and will ask you to select the photos you want to transfer.
Select your photos and click “Next” to continue.



7. Add Active Captions to your pictures. You can add a date, keywords, categories and more. Click “Next” to continue.



8. On the next screen, choose where you want to place your photos and click the “Finish” button to copy the photos to your computer.



9. All of the pictures you imported will appear in the “Select Photos” main window.



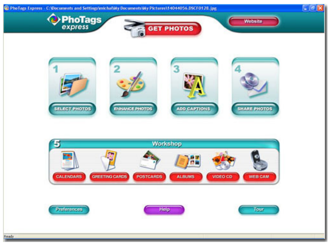
Manual Photo Download -Get photos manually using “PhoTags Express”

Use the “PhoTags Express” program to import the photos from your camera.

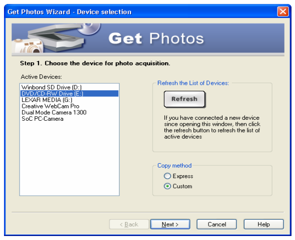
1. Plug one end of the USB cable into the USB slot on your camera.
2. Plug the other end of the USB cable into a USB port on your computer.
3. Make sure that your camera is connected and turned ON.

Double-click the “**PhoTags Express**” icon 

on your desktop to launch the “PhoTags Express” program.

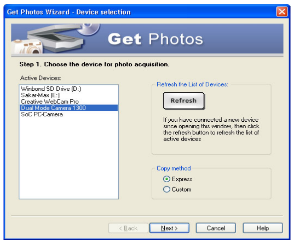


Click on the **“Get Photos”** button on the Main Menu.

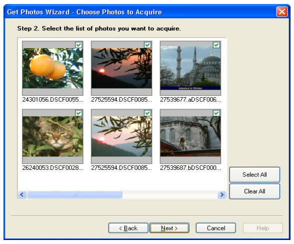


The “**Device Selection**” mode will appear. Both your camera and the memory card will each appear in the “**Active Devices**” list as a “**Removable Disk**”. Toggle between the two devices to select picture
This mode is used to manually select the photos you wish to copy to your computer.

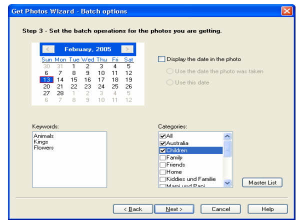
Custom Copy



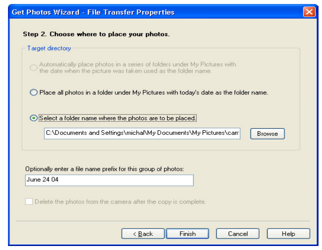
Select "Custom Copy". Click **"Next"** to continue.



Select your photos and click **"Next"** to continue.



Add Active Captions to your pictures. With this feature, you can add a date, keywords and categories. Click “**Next**” to continue.



On the next screen, choose where you want to place your photos on your computer. Click on “**Finish**” to copy the photos to the location you selected.
All of the pictures you imported will appear in the “Select photos” main window**.**

Express Copy Method

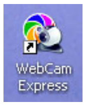
Select this option if you want to have all the images transferred to the PC without the option to select which photos you want to transfer. In this mode you will not see a preview of the images transferred. For more information please refer to the Quick Start guide in PhoTags Express.

Transfer Images Directly From Windows

1. Plug one end of the USB cable into the USB slot on your camera.
2. Plug the other end of the USB cable into a USB port on your computer.
3. Make sure that your camera is connected and is turned ON.
4. Click on the START button in Windows.
5. Click on the MY COMPUTER Icon
6. Your memory card will appear as a REMOVABLE STORAGE DEVICE.
7. Click on the REMOVABLE STORAGE DEVICE to view the images. The images are stored in the subfolder called DCM100.
8. You can now copy and paste the images to any directory you choose.

Viewing Videos

Make sure that your camera is connected to your computer with the USB cable. Double-click the “Webcam Express” icon that is on your desktop to launch the “PhoTags WebCam Express” program.



Select the “Playback” tab and double click on a video in the “Media list” window. The video will appear in the “Main Window” in the actual size. To play the video, use the video controls.

Setting Your Camera for Use As A Web Cam

When the USB Cable is connected to the PC the Camera can operate in one of two modes.
Mode 1- Transfer photos to the PC
Mode 2- A Web Cam that can be used for video Chat and Video Conferencing on the Internet

NOTE: THE USB CABLE MUST BE DISCONNECTED TO SET THE MODE 1 & MODE 2

To put the Camera into Mode 1- Transfer Photos;

1. Press **POWER/MENU**  .
2. Press **FLASH/SET** or .
3. Repeatedly press **POWER/MENU** to select the icon shown on the LCD.

4. Press or to select the icon shown on the LCD.
5. Press **FLASH/SET** or .
6. When you plug in the USB cable the Camera will be ready to download photos to the PC.

To put the Camera into Mode 2- Web Cam;

1. Press **POWER/MENU** .
2. Press **FLASH/SET** or .
3. Repeatedly press **POWER/MENU** to select the icon shown on the LCD.
4. Press or to select the icon shown on the LCD.
5. Press **FLASH/SET** or .
6. When you plug in the USB cable the Camera will function as a Web Cam

NOTE: WHENEVER THE CAMERA IS TRUNED OFF THE CAMERA WILL AUTOMATICALLY RESET ITSELF TO MODE 1- TRANSFER PHOTOS>

NOTE: YOU WILL STILL BE ABLE TO TAKE PHOTOS AND VIDEOS EVEN THOUGH THE CAMERA IS SET TO MODE 2- WEB CAM.

Web Cam Quick Set
To put the Camera into Web Cam Mode when you start your camera;
Press and hold the shutter down and then while you are still holding the shutter, turn on the camera. Once you hear the single BEEP you can let go of the shutter.

The Camera will remain in the Web Cam mode until either you manually set the camera to the Transfer mode or the camera is turned off.

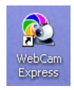
Using Your Camera As A Web Cam

1. Make sure the Camera is in the Web Cam Mode (Mode 2)
2. Connect the camera to the computer.
3. Open a Web Cam enabled application, such as Instant Messenger or Net Meeting.
4. Position the camera.

Web Cam Express

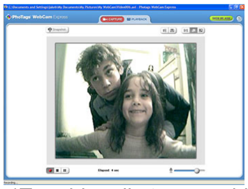
Now that you have your camera installed you can use it to capture short movies called AVI files. These can be saved directly to your computer. The length of time you can record an AVI while the camera is connected to your computer will vary, depending on how much hard drive space you will use to save the file. Please take note that these AVI files take up a lot of hard drive space. This is done through the PhoTags WebCam Express program. This next section will walk you though capturing an AVI file.

1. Make sure that your camera is connected via the USB cable to your PC.

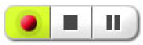
2. Double-click the **"WebCam Express**" icon 

that is on your desktop. This will launch the PhoTags Web Cam Express program.

3. Adjust your Web Cam to the desired position. The screen will display what the Web Cam "sees".



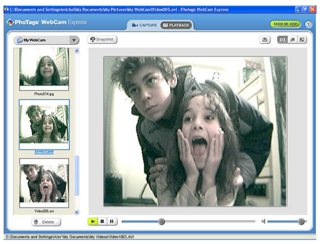
(*To add audio to your video, plug a microphone into your computer.*)



4. Click the “Capture” button to start recording the video. The recording elapse time will appear under the video.

5. Click “Pause” to hold the recording. To continue recording click the “Capture” button again.

6. To finish recording click the “Stop” button. The videos will be automatically saved into a default directory.



NOTE:
To learn how to capture JPEG snapshots from your WebCam or from your existing AVI movies, go to the "Take Snapshots" section in the Quick Start help.
To learn how to change the user settings, go to the "Set User Preferences" section in the Quick Start help.

- **What it does**
- **Basis instructions from Quick Help**

Maintenance of Your Digital Camera

The digital camera is an accurate device. Please preserve it and use it properly to avoid damaging it.

Technical Support

For technical support issues please visit our website at **www.sakarhelp.com**. You can find manuals, software, drivers, and FAQ's at the website. Can't find what you are looking for? Fill out an online ticket and one of our technical support team members will answer questions or call 877-397-8200 or 732-476-5098 to access our technical support information on the phone. For question on warranty information please email warranty@sakar.com

Appendix A: Technical Specifications

Product Type : Digital camera

Electronic Coupling Element : CMOS Sensor 3.1M Pixels

Image Resolution: 2048 x 1536 Pixels (QXGA)
1600 x 1200 Pixels (UXGA)
640 x 480 Pixels (VGA)
Memory Device: Internal built-in 16MB (SDRAM)

External Memory Card Slot.

LCD Monitor: 1.1 Inch CSTN

Appendix B: Troubleshooting

Q: I have take photos, but my computer says "No photos in camera." What do I do?

First, ensure that you have taken photos with your camera. Press the shutter button a few times to take some sample photos and try again. If you still get a no photos error, this indicates that the driver is not installed (or not installed correctly) or you may not meet the minimum system requirements. Reinstall the driver.

System Requirements:

First, ensure that you have at least a Pentium II 300 MHz, AMD Athlon 300 MHz, or a Celeron 400 MHz or higher as well as at least 64 MB of RAM. Please note that the older AMD K6 processors will not work. More information about determining your computer's specifications can be found in the General Computer Information section. If you have determined that you have pictures in your camera and you meet the system requirements, follow the steps below to reinstall the software.

Software Re-installation

1. First install the software and drivers. Click on Start, Settings, Control Panel and Add/Remove programs. There are two programs you will need to remove – PhoTags Express and your VGA Dual Camera. After removing these programs, restart your computer. If your camera is connected, disconnect it.

2. Now reinstall the software. Insert the CD that came with your camera. It should automatically run the installation.

3. Restart the computer.

4. Once your computer is back up, plug the camera into your computer's USB port.

5. Right-click on the "My Computer" icon. Select Properties.
If you are running Windows 98, 98SE, or ME: Click on Device Manager.
If you are running Windows 2000 or XP: Click on hardware and then Device Manager.

If the camera is installed correctly, there will be a category listed for "Imaging Devices" and clicking on the "+" next to it should reveal your camera. If not, you will likely see "Digital Still Camera" under "Other Devices" with a brightly colored marking next to it indicating it is not functioning correctly.

If you are running Windows 98, 98SE, or ME: Right click on the non functioning device and select Remove.
If you are running Windows 2000 or XP: Right click on the non functioning device and select uninstall. If a warning pops up, press OK.

6. Restart your computer again. Your camera is now successfully installed.

Q: How do I make sure I don't lose important pictures?

Your camera uses flash memory which requires a constant electric current to store your photos. Should your camera lose power (for instance if the battery dies or is removed) all stored pictures will be lost. We recommend always downloading your photos to your computer as soon as possible to prevent unintentional data loss.

Q: I have a MAC. Will this camera work?

Unfortunately, the system requirements for our cameras require a Windows operating system.
There is no Mac driver available and currently no plans to develop one.